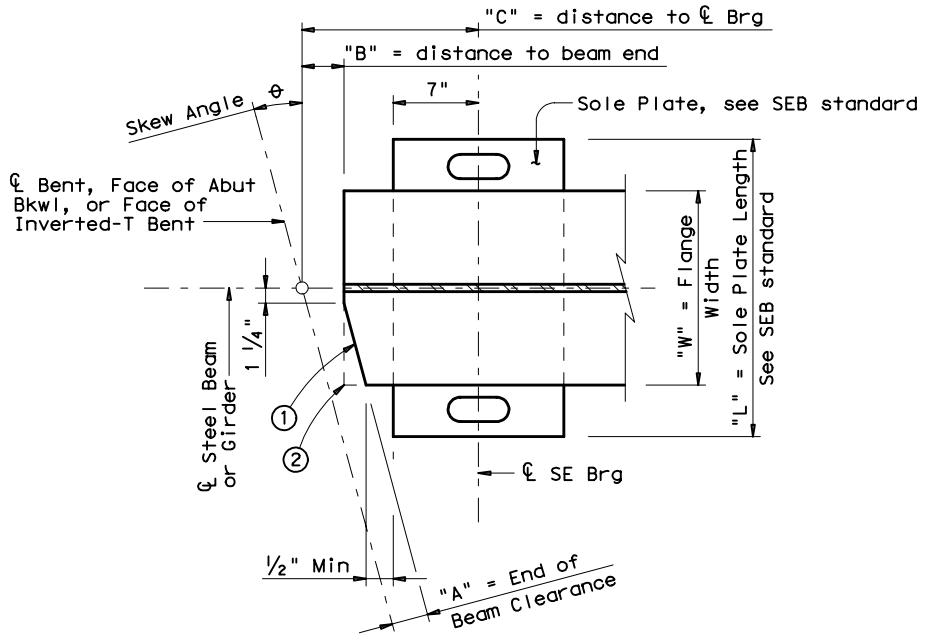

① Top and bottom flanges are clipped parallel to face of abutment backwall, faces of Inverted-T bents, or where beam conflicts exist. Top flange is clipped parallel to centerline of joint at conventional bents.

② Bottom flange at conventional bents is not clipped unless conflict exists with beams in adjacent span.

"A" = 2" Min at conventional bents; may be increased to 3" at Abutments and Inverted-T bents.

"B" = $\frac{\text{"A"}}{\text{Cos } \theta}$ + 1.25" Tan θ, rounded up to nearest ¼".

"C" (for un-clipped bottom flange) = "B" + 7.5", rounded up to nearest ½"

"C" (for clipped bottom flange) = $\frac{\text{"A"}}{\text{Cos } \theta} + \frac{\text{"W"}}{2}$ Tan θ + 7.5"

or = $\frac{\text{"A"}}{\text{Cos } \theta} + \frac{\text{"L"}}{2}$ Tan θ + 7", whichever is greater, rounded up to nearest ½".

Example:
Abutment, SE 5 Brg, 24" flange width,
Skew Angle = 45°
"L" = 33"
"A" = 3"

"B" = $\frac{3"}{\text{Cos } 45°}$ + 1.25" Tan 45° = 5.49", use 5.5"

"C" = $\frac{3"}{\text{Cos } 45°} + \frac{24"}{2}$ Tan 45° + 7.5" = 23.74"

"C" = $\frac{3"}{\text{Cos } 45°} + \frac{33"}{2}$ Tan 45° + 7" = 27.74", 27.74" controls, use 28"

Fig. 6-16